

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 8, 14, 20, 26, 29, 36, 42, 48, and 54 as follows:

1 1. (Currently Amended) A process for a digital video recorder, comprising the steps
2 of:

3 providing a plurality of input signal tuners;

4 wherein said tuners accept analog and/or digital television broadcast signals;

5 wherein each of said tuners is individually tuned to a specific broadcast signal;

6 converting analog television broadcast signals into a digital signal;

7 separating a digital signal or digital television broadcast signal into its video and
8 audio components;

9 storing said video and audio components on a storage device;

10 providing a plurality of output devices;

11 wherein each output device extracts a specific video and audio component from
12 said storage device;

13 decoding each specific video and audio component into a television output signal;

14 sending television output signals to at least one display device; and

15 wherein said decoding step allows playback rate and direction of each television
16 output signal to be controlled individually and simultaneously to perform variable rate
17 fast forward and rewind, frame step, pause, and play functions.

1 2. (Original) The process of Claim 1, wherein a user controls the playback rate
2 and direction of a television output signal through a remote control.

1 3. (Original) The process of Claim 1, further comprising the step of:
2 providing a multimedia recording device, wherein said decoding step sends any of
3 a specific video and audio component or a television output signal to said multimedia
4 recording device for recording.

1 4. (Original) The process of Claim 1, further comprising the step of:
2 inserting on-screen displays into a television output signal.

1 5. (Original) The process of Claim 1, further comprising the step of:
2 providing editing means for creating custom sequences of video and/or audio
3 output; and
4 wherein said editing means allows any number of video and/or audio segments to
5 be lined up and combined and stored on said storage device.

1 6. (Original) The process of Claim 1, further comprising the step of:
2 providing means for synchronizing video and audio components for proper
3 playback.

1 7. (Original) The process of Claim 1, wherein an input signal tuner receives any
2 of: software updates or data.

1 8. (Currently Amended) A process for a digital video recorder, comprising the steps
2 of:

3 receiving a plurality of television broadcast signals;
4 storing each television broadcast signal in a digital form on a storage device;
5 providing a plurality of output devices;
6 wherein each output device extracts a specific digital broadcast signal from said
7 storage device;
8 wherein at least two output devices simultaneously extract different digital
9 broadcast signals;
10 converting each specific digital broadcast signal into a television output signal;
11 sending television output signals to at least one display device; and
12 wherein said converting step allows playback rate and direction of each television
13 output signal to be controlled individually and simultaneously to perform variable rate
14 fast forward and rewind, frame step, pause, and play functions.

1 9. (Original) The process of Claim 8, wherein a user controls the playback rate
2 and direction of a television output signal through a remote control.

1 10. (Original) The process of Claim 8, further comprising the step of:
2 providing a multimedia recording device, wherein said converting step sends any
3 of a specific digital broadcast signal or a television output signal to said multimedia
4 recording device for recording.

1 11. (Original) The process of Claim 8, further comprising the step of:
2 inserting on-screen displays into a television output signal.

1 12. (Original) The process of Claim 8, further comprising the step of:
2 providing editing means for creating custom sequences of video and/or audio
3 output; and
4 wherein said editing means allows any number of video and/or audio segments of
5 digital broadcast signals to be lined up and combined and stored on said storage device.

1 13. (Original) The process of Claim 8, wherein a television broadcast signal can
2 contain any of: software updates or data.

1 14. (Currently Amended) A process for a digital video recorder, comprising the steps
2 of:
3 receiving a plurality of input streams;
4 storing said plurality of input streams in digital form on a storage device;
5 providing a plurality of output devices;
6 wherein each output device extracts a digital stream from said storage device;
7 wherein at least two output devices simultaneously extract different digital
8 streams;
9 decoding each digital stream into a television output signal;
10 sending television output signals to at least one display device; and
11 wherein said decoding step allows playback rate and direction of each television
12 output signal to be controlled individually and simultaneously to perform variable rate
13 fast forward and rewind, frame step, pause, and play functions.

1 15. (Original) The process of Claim 14, wherein a user controls the playback rate
2 and direction of a television output signal through a remote control.

1 16. (Original) The process of Claim 14, further comprising the step of:
2 providing a multimedia recording device, wherein said decoding step sends any of
3 a digital stream or a television output signal to said multimedia recording device for
4 recording.

1 17. (Original) The process of Claim 14, further comprising the step of:
2 inserting on-screen displays into a television output signal.

1 18. (Original) The process of Claim 14, further comprising the step of:
2 providing editing means for creating custom sequences of video and/or audio
3 output; and
4 wherein said editing means allows any number of video and/or audio segments of
5 digital streams to be lined up and combined and stored on said storage device.

1 19. (Original) The process of Claim 14, wherein an input stream can contain any
2 of: software updates or data.

1 20. (Currently Amended) A process for a digital video recorder, comprising the steps
2 of:
3 storing a plurality of multimedia programs in digital form on a storage device;

4 displaying a list of pre-recorded multimedia programs stored on said storage
5 device to a user;
6 wherein the user selects multimedia programs from said list;
7 simultaneously playing back ~~at least two of said selected multimedia programs~~
8 ~~from said storage device or~~ at least one of said selected multimedia programs and a
9 multimedia program whose storage is in progress to at least one television monitor; and
10 wherein said playing back step allows playback rate and direction of each
11 multimedia program to be controlled individually and simultaneously to perform variable
12 rate fast forward and rewind, frame step, pause, and play functions.

1 21. (Original) The process of Claim 20, wherein said playing back step converts
2 said at least two of said multimedia programs into television output signals;

1 22. (Original) The process of Claim 21, further comprising the step of:
2 inserting on-screen displays into a television output signal.

1 23. (Original) The process of Claim 20, wherein a user controls the playback rate
2 and direction of a multimedia program through a remote control.

1 24. (Original) The process of Claim 20, further comprising the step of:
2 providing a multimedia recording device, wherein said playing back step sends a
3 multimedia program to said multimedia recording device, allowing a user to record said
4 multimedia program.

1 25. (Original) The process of Claim 20, further comprising the step of:
2 providing editing means for creating custom sequences of video and/or audio
3 output; and
4 wherein said editing means allows any number of video and/or audio segments of
5 multimedia programs to be lined up and combined and stored on said storage device.

1 26. (Currently Amended) The process of Claim 20, further comprising the steps of:
2 providing a plurality of input signal tuners;
3 wherein said tuners accept analog and/or digital multimedia program signals;
4 wherein each of said tuners is individually tuned to a specific multimedia
5 program;
6 converting analog multimedia programs into a digital representation; and
7 wherein said storing step separates a digitized analog multimedia program or
8 digital multimedia program into its video and audio components before storing on said
9 storage device.

1 27. (Original) The process of Claim 26, further comprising the step of:
2 providing means for synchronizing video and audio components for proper
3 playback.

1 28. (Original) The process of Claim 26, wherein an input signal tuner receives
2 any of: software updates or data.

1 29. (Currently Amended) An apparatus for a digital video recorder, comprising:

2 a plurality of input signal tuners;
3 wherein said tuners accept analog and/or digital television broadcast signals;
4 wherein each of said tuners is individually tuned to a specific broadcast signal;
5 a module for converting analog television broadcast signals into a digital signal;
6 a module for separating a digital signal or digital television broadcast signal into
7 its video and audio components;
8 a module for storing said video and audio components on a storage device;
9 a plurality of output devices;
10 wherein each output device extracts a specific video and audio component from
11 said storage device;
12 a module for decoding each specific video and audio component into a television
13 output signal; and
14 a module for sending television output signals to at least one display device;
15 wherein said decoding module allows playback rate and direction of each
16 television output signal to be controlled individually and simultaneously to perform
17 variable rate fast forward and rewind, frame step, pause, and play functions.

1 30. (Original) The apparatus of Claim 29, wherein a user controls the playback
2 rate and direction of a television output signal through a remote control.

1 31. (Original) The apparatus of Claim 29, further comprising:
2 a multimedia recording device, wherein said decoding module sends any of a
3 specific video and audio component or a television output signal to said multimedia
4 recording device for recording.

1 32. (Original) The apparatus of Claim 29, further comprising:
2 a module for inserting on-screen displays into a television output signal.

1 33. (Original) The apparatus of Claim 29, further comprising:
2 editing means for creating custom sequences of video and/or audio output; and
3 wherein said editing means allows any number of video and/or audio segments to
4 be lined up and combined and stored on said storage device.

1 34. (Original) The apparatus of Claim 29, further comprising:
2 means for synchronizing video and audio components for proper playback.

1 35. (Original) The apparatus of Claim 29, wherein an input signal tuner receives
2 any of: software updates or data.

1 36. (Currently Amended) An apparatus for a digital video recorder, comprising:
2 a module for receiving a plurality of television broadcast signals;
3 a module for storing each television broadcast signal in a digital form on a storage
4 device;
5 a plurality of output devices;
6 wherein each output device extracts a specific digital broadcast signal from said
7 storage device;
8 wherein at least two output devices simultaneously extract different digital
9 broadcast signals;

10 a module for converting each specific digital broadcast signal into a television
11 output signal;
12 a module for sending television output signals to at least one display device; and
13 wherein said converting module allows playback rate and direction of each
14 television output signal to be controlled individually and simultaneously to perform
15 variable rate fast forward and rewind, frame step, pause, and play functions.

1 37. (Original) The apparatus of Claim 36, wherein a user controls the playback
2 rate and direction of a television output signal through a remote control.

1 38. (Original) The apparatus of Claim 36, further comprising:
2 a multimedia recording device, wherein said converting module sends any of a
3 specific digital broadcast signal or a television output signal to said multimedia recording
4 device for recording.

1 39. (Original) The apparatus of Claim 36, further comprising:
2 a module for inserting on-screen displays into a television output signal.

1 40. (Original) The apparatus of Claim 36, further comprising:
2 editing means for creating custom sequences of video and/or audio output; and
3 wherein said editing means allows any number of video and/or audio segments of
4 digital broadcast signals to be lined up and combined and stored on said storage device.

1 41. (Original) The apparatus of Claim 36, wherein a television broadcast signal
2 can contain any of: software updates or data.

1 42. (Currently Amended) An apparatus for a digital video recorder, comprising:
2 a module for receiving a plurality of input streams;
3 a module for storing said plurality of input streams in digital form on a storage
4 device;
5 a plurality of output devices;
6 wherein each output device extracts a digital stream from said storage device;
7 wherein at least two output devices simultaneously extract different digital
8 streams;
9 a module for decoding each digital stream into a television output signal; and
10 a module for sending television output signals to at least one display device;
11 wherein said decoding module allows playback rate and direction of each
12 television output signal to be controlled individually and simultaneously to perform
13 variable rate fast forward and rewind, frame step, pause, and play functions.

1 43. (Original) The apparatus of Claim 42, wherein a user controls the playback
2 rate and direction of a television output signal through a remote control.

1 44. (Original) The apparatus of Claim 42, further comprising:
2 a multimedia recording device, wherein said decoding module sends any of a
3 digital stream or a television output signal to said multimedia recording device for
4 recording.

1 45. (Original) The apparatus of Claim 42, further comprising:
2 a module for inserting on-screen displays into a television output signal.

1 46. (Original) The apparatus of Claim 42, further comprising:
2 editing means for creating custom sequences of video and/or audio output; and
3 wherein said editing means allows any number of video and/or audio segments of
4 digital streams to be lined up and combined and stored on said storage device.

1 47. (Original) The apparatus of Claim 42, wherein an input stream can contain
2 any of: software updates or data.

1 48. (Currently Amended) An apparatus for a digital video recorder, comprising:
2 a module for storing a plurality of multimedia programs in digital form on a
3 storage device;
4 displaying a list of pre-recorded multimedia programs stored on said storage
5 device to a user;
6 wherein the user selects multimedia programs from said list;
7 a module for simultaneously playing back ~~at least two of said selected multimedia~~
8 ~~programs from said storage device or~~ at least one of said selected multimedia programs
9 and a multimedia program whose storage is in progress to at least one television monitor;
10 and

11 wherein said playing back module allows playback rate and direction of each
12 multimedia program to be controlled individually and simultaneously to perform variable
13 rate fast forward and rewind, frame step, pause, and play functions.

1 49. (Original) The apparatus of Claim 48, wherein said playing back step
2 converts said at least two of said multimedia programs into television output signals;

1 50. (Original) The apparatus of Claim 49, further comprising:
2 a module for inserting on-screen displays into a television output signal.

1 51. (Original) The apparatus of Claim 48, wherein a user controls the playback
2 rate and direction of a multimedia program through a remote control.

1 52. (Original) The apparatus of Claim 48, further comprising:
2 a multimedia recording device, wherein said playing back module sends a
3 multimedia program to said multimedia recording device, allowing a user to record said
4 multimedia program.

1 53. (Original) The apparatus of Claim 48, further comprising:
2 editing means for creating custom sequences of video and/or audio output; and
3 wherein said editing means allows any number of video and/or audio segments of
4 multimedia programs to be lined up and combined and stored on said storage device.

1 54. (Currently Amended) The apparatus of Claim 48, further comprising:

2 a plurality of input signal tuners;
3 wherein said tuners accept analog and/or digital multimedia program signals;
4 wherein each of said tuners is individually tuned to a specific multimedia
5 program;
6 a module for converting analog multimedia programs into a digital representation;
7 and
8 wherein said storing module separates a digitized analog multimedia program or
9 digital multimedia program into its video and audio components before storing on said
10 storage device.

1 55. (Original) The apparatus of Claim 54, further comprising the step of:
2 means for synchronizing video and audio components for proper playback.

1 56. (Original) The apparatus of Claim 54, wherein an input signal tuner receives
2 any of: software updates or data.

1 57. (Original) The process of Claim 20, wherein said playing back step plays
2 back said at least two of said multimedia programs in a picture in a picture format to a
3 television monitor.

1 58. (Original) The process of Claim 48, wherein said playing back module plays
2 back said at least two of said multimedia programs in a picture in a picture format to a
3 television monitor.